

HIGHLY ERODIBLE SOIL MAP UNIT LIST
 CARVER COUNTY
 C = .12, R = 130

10/93

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME				TYPICAL SLOPE PERCENT	TYPICAL SLOPE LENGTH			HELC
			T	K	I		LS			
MN0270	AA	KASOTA SANDY LOAM, 0 TO 2 PERCENT SLOPES	4	0.20	86	1	100	.13		NHEL
MN0270	AB2	KASOTA SANDY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	4	0.20	86	3	100	.29		NHEL
MN0354	AD	HAWICK SANDY LOAM, 18 TO 25 PERCENT SLOPES	5	0.20	86	20	75	3.5		HEL
MN0354	AE	HAWICK LOAMY SAND, 18 TO 40 PERCENT SLOPES	5	0.17	134	30	75	7.0		HEL
MN0270	BA	KASOTA LOAM, 0 TO 2 PERCENT SLOPES	4	0.28	48	1	100	.13		NHEL
MN0270	BB2	KASOTA LOAM, 2 TO 6 PERCENT SLOPES, ERODED	4	0.28	48	3	100	.29		NHEL
MN0064	BH	BLUE EARTH MUCKY SILT LOAM	5	0.28	86	.5	150	.11		NHEL
MN0110	BY	BISCAY LOAM	4	0.28	48	1	100	.13		NHEL
MN0061	CC3	LESTER CLAY LOAM, 6 TO 12 PERCENT SLOPES, SEVERELY ERODED	5	0.28	48	9	125	1.4		*PHEL
MN0061	CD3	LESTER CLAY LOAM, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED	5	0.28	48	15	120	2.8		HEL
MN0061	CE3	LESTER CLAY LOAM, 18 TO 25 PERCENT SLOPES, SEVERELY ERODED	5	0.28	48	20	110	4.5		HEL
MN0065	CH	CHASKA CLAY LOAM, OCCASIONALLY FLOODED	5	0.28	86	1	100	.13		NHEL
IA0079	CL	COLAND CLAY LOAM, OCCASIONALLY FLOODED	5	0.24	48	1	100	.13		NHEL
MN0024	CO	CORDOVA CLAY LOAM	5	0.28	48	1	100	.13		NHEL
MN0095	CS	CANISTEO SILTY CLAY LOAM, DEPRESSATIONAL	5	0.28	86	1	100	.13		NHEL
MN0059	CT	CANISTEO CLAY LOAM	5	0.24	86	1	100	.13		NHEL
IA0079	CU	COLAND CLAY LOAM, FREQUENTLY FLOODED	5	0.24	48	1	100	.13		NHEL
MN0024	CW	CORDOVA-WEBSTER COMPLEX ***	5	0.28	48	1	100	.13		NHEL
IA0072	CW	CORDOVA-WEBSTER COMPLEX ***	5	0.24	48	--	--	--		--
WI0196	DA	DAKOTA AND RASSET SANDY LOAMS, 0 TO 2 PERCENT SLOPES ***	4	0.20	86	1	110	.13		NHEL
MN0280	DA	DAKOTA AND RASSET SANDY LOAMS, 0 TO 2 PERCENT SLOPES ***	4	0.20	86	--	--	--		--
WI0196	DB	DAKOTA AND RASSET SANDY LOAMS, 2 TO 6 PERCENT SLOPES ***	4	0.20	86	3	100	.29		NHEL
MN0280	DB	DAKOTA AND RASSET SANDY LOAMS, 2 TO 6 PERCENT SLOPES ***	4	0.20	86	--	--	--		--
MN0025	EA	ESTHERVILLE SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	0.20	86	1	120	.14		NHEL
MN0025	EB	ESTHERVILLE SANDY LOAM, 2 TO 6 PERCENT SLOPES	3	0.20	86	3	110	.30		NHEL
MN0025	EB2	ESTHERVILLE SANDY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	3	0.20	86	3	100	.29		NHEL
MI0421	EX	ESSEXVILLE SANDY LOAM	5	0.20	86	1	75	.12		NHEL
MN0194	FA	FAIRHAVEN SILT LOAM, 0 TO 2 PERCENT SLOPES	4	0.32	48	1	150	.15		NHEL
MN0194	FB	FAIRHAVEN SILT LOAM, 2 TO 6 PERCENT SLOPES	4	0.32	48	3	150	.32		NHEL
MN0194	FC2	FAIRHAVEN SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED	4	0.32	48	9	125	1.4		*PHEL
MN0026	GL	GLENCOE CLAY LOAM	5	0.28	48	.5	150	.11		NHEL
NE0524	GP	PITS-UDORTHENTS COMPLEX	5	0.24	220	--	--	--		--
MN0025	HC	ESTHERVILLE-HAWICK SANDY LOAMS, 6 TO 12 PERCENT SLOPES ***	3	0.20	86	9	110	1.2		*PHEL
MN0354	HC	ESTHERVILLE-HAWICK SANDY LOAMS, 6 TO 12 PERCENT SLOPES ***	5	0.20	86	--	--	--		--
MN0025	HC2	ESTHERVILLE-HAWICK SANDY LOAMS, 6 TO 12 PERCENT SLOPES, ERODED ***	3	0.20	86	9	100	1.2		*PHEL
MN0354	HC2	ESTHERVILLE-HAWICK SANDY LOAMS, 6 TO 12 PERCENT SLOPES, ERODED ***	5	0.20	86	--	--	--		--
MN0025	HD	ESTHERVILLE-HAWICK SANDY LOAMS, 12 TO 18 PERCENT SLOPES ***	3	0.20	86	15	90	2.4		HEL
MN0354	HD	ESTHERVILLE-HAWICK SANDY LOAMS, 12 TO 18 PERCENT SLOPES ***	5	0.20	86	--	--	--		--
MN0084	HM	HAMEL LOAM	5	0.28	48	1	100	.13		NHEL
IA0099	HN	HANLON LOAM	5	0.28	48	1	100	.13		NHEL
MN0105	IA	DICKMAN SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	0.20	86	1	150	.15		NHEL
MN0105	IB2	DICKMAN SANDY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	3	0.20	86	3	130	.31		NHEL
MN0105	IC2	DICKMAN SANDY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	3	0.20	86	9	110	1.2		*PHEL
MN0376	KB	KILKENNY-LESTER LOAMS, 2 TO 6 PERCENT SLOPES ***	5	0.28	48	4	125	.43		NHEL
MN0061	KB	KILKENNY-LESTER LOAMS, 2 TO 6 PERCENT SLOPES ***	5	0.28	48	--	--	--		--
MN0061	KB2	LESTER-KILKENNY LOAMS, 2 TO 6 PERCENT SLOPES, ERODED ***	5	0.28	48	4	120	.43		NHEL
MN0376	KB2	LESTER-KILKENNY LOAMS, 2 TO 6 PERCENT SLOPES, ERODED ***	5	0.28	48	--	--	--		--
MN0061	KC	LESTER-KILKENNY LOAMS, 6 TO 12 PERCENT SLOPES ***	5	0.28	48	9	110	1.2		*PHEL
MN0376	KC	LESTER-KILKENNY LOAMS, 6 TO 12 PERCENT SLOPES ***	5	0.28	48	--	--	--		--

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME	T	K	I	TYPICAL SLOPE PERCENT	TYPICAL SLOPE LENGTH	LS	HELC
MN0061	KC2	LESTER-KILKENNY LOAMS, 6 TO 12 PERCENT SLOPES, ERODED ***	5	0.28	48	9	110	1.2	*PHEL
MN0376	KC2	LESTER-KILKENNY LOAMS, 6 TO 12 PERCENT SLOPES, ERODED ***	5	0.28	48	--	--	--	--
MN0061	KD	LESTER-KILKENNY LOAMS, 12 TO 18 PERCENT SLOPES ***	5	0.28	48	15	100	2.4	HEL
MN0376	KD	LESTER-KILKENNY LOAMS, 12 TO 18 PERCENT SLOPES ***	5	0.28	48	--	--	--	--
MN0061	KD2	LESTER-KILKENNY LOAMS, 12 TO 18 PERCENT SLOPES, ERODED ***	5	0.28	48	15	100	2.4	HEL
MN0376	KD2	LESTER-KILKENNY LOAMS, 12 TO 18 PERCENT SLOPES, ERODED ***	5	0.28	48	--	--	--	--
MN0061	KE2	LESTER-KILKENNY LOAMS, 18 TO 25 PERCENT SLOPES, ERODED ***	5	0.28	48	20	90	3.7	HEL
MN0376	KE2	LESTER-KILKENNY LOAMS, 18 TO 25 PERCENT SLOPES, ERODED ***	5	0.28	48	--	--	--	--
MN0061	KF	LESTER-KILKENNY LOAMS, 25 TO 40 PERCENT SLOPES ***	5	0.28	48	30	75	6.5	HEL
MN0376	KF	LESTER-KILKENNY LOAMS, 25 TO 40 PERCENT SLOPES ***	5	0.28	48	--	--	--	--
IA0099	KL	HALON-KALMARVILLE COMPLEX, FREQUENTLY FLOODED ***	5	0.20	86	1	100	.13	NHEL
MN0287	KL	HALON-KALMARVILLE COMPLEX, FREQUENTLY FLOODED ***	5	0.20	86	--	--	--	--
MN0288	KM	MINNEISKA-KALMARVILLE COMPLEX, FREQUENTLY FLOODED ***	5	0.20	86	1	125	.14	NHEL
MN0287	KM	MINNEISKA-KALMARVILLE COMPLEX, FREQUENTLY FLOODED ***	5	0.28	56	--	--	--	--
MN0088	LA	LE SUEUR-LESTER LOAMS, 1 TO 4 PERCENT SLOPES ***	5	0.24	48	--	--	--	--
MN0061	LA	LE SUEUR-LESTER LOAMS, 1 TO 4 PERCENT SLOPES ***	5	0.28	48	2	130	.22	NHEL
MN0061	LB2	LESTER LOAM, 2 TO 6 PERCENT SLOPES	5	0.28	48	3	125	.30	NHEL
MN0061	LC	LESTER LOAM, 6 TO 12 PERCENT SLOPES	5	0.28	48	9	110	1.2	*PHEL
MN0061	LC2	LESTER LOAM, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	48	9	100	1.2	*PHEL
MN0061	LD	LESTER LOAM, 12 TO 18 PERCENT SLOPES	5	0.28	48	15	100	2.4	HEL
MN0061	LD2	LESTER LOAM, 12 TO 18 PERCENT SLOPES, ERODED	5	0.28	48	15	100	2.4	HEL
MN0061	LE2	LESTER LOAM, 18 TO 25 PERCENT SLOPES, ERODED	5	0.28	48	20	90	3.7	HEL
MN0061	LF	LESTER LOAM, 25 TO 40 PERCENT SLOPES	5	0.28	48	30	75	6.5	HEL
MN0088	LS	LE SUEUR LOAM	5	0.24	48	2	130	.22	NHEL
MI0024	MK	HOUGHTON AND MUSKEGO SOILS ***	5	--	134	--	--	--	--
WI0046	MK	HOUGHTON AND MUSKEGO SOILS ***	5	--	134	.5	200	.12	NHEL
MN0288	MN	MINNEISKA LOAM	5	0.28	86	1	120	.14	NHEL
MN0600	MP	KLOSSNER AND MUSKEGO MUCKS, PONDED ***	5	--	--	--	--	--	--
WI0437	MP	KLOSSNER AND MUSKEGO MUCKS, PONDED ***	5	--	--	--	--	--	NHEL
MN0197	MY	MAYER LOAM	4	0.24	86	1	100	.13	NHEL
MN0061	NC3	LESTER-KILKENNY CLAY LOAMS, 6 TO 12 PERCENT SLOPES, SEVERELY ERODED ***	5	0.28	48	9	110	1.2	*PHEL
MN0376	NC3	LESTER-KILKENNY CLAY LOAMS, 6 TO 12 PERCENT SLOPES, SEVERELY ERODED ***	5	0.28	48	--	--	--	--
MN0061	ND3	LESTER-KILKENNY CLAY LOAMS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED ***	5	0.28	48	15	100	2.4	HEL
MN0376	ND3	LESTER-KILKENNY CLAY LOAMS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED ***	5	0.28	48	--	--	--	--
MN0061	NE3	LESTER-KILKENNY CLAY LOAMS, 18 TO 25 PERCENT SLOPES, SEVERELY ERODED ***	5	0.28	48	20	75	3.5	HEL
MN0376	NE3	LESTER-KILKENNY CLAY LOAMS, 18 TO 25 PERCENT SLOPES, SEVERELY ERODED ***	5	0.28	48	--	--	--	--
MN0017	OS	Oshawa Silty Clay Loam	5	0.28	--	.5	130	.11	NHEL
WI0041	PA	SPARTA LOAMY SAND, 0 TO 2 PERCENT SLOPES	5	0.17	134	1	150	.15	NHEL
WI0041	PB	SPARTA LOAMY SAND, 2 TO 6 PERCENT SLOPES	5	0.17	134	3	125	.30	NHEL
WI0041	PC	SPARTA LOAMY SAND, 6 TO 12 PERCENT SLOPES	5	0.17	134	9	110	1.2	**PHEL
WI0041	PD	SPARTA LOAMY SAND, 12 TO 18 PERCENT SLOPES	5	0.17	134	15	100	2.4	HEL
MN0597	PM	KLOSSNER MUCK	5	--	134	.5	200	.12	NHEL
MN0601	PS	KLOSSNER MUCK, SANDY SUBSTRATUM	4	--	134	.5	200	.12	NHEL
MN0280	RB	RASSET SANDY LOAM, 0 TO 6 PERCENT SLOPES	4	0.20	86	3	120	.30	NHEL
MN0280	RC	RASSET SANDY LOAM, 6 TO 12 PERCENT SLOPES	4	0.20	86	9	110	1.2	**PHEL
MN0280	RD	RASSET SANDY LOAM, 12 TO 18 PERCENT SLOPES	4	0.20	86	15	100	2.4	HEL
WI0113	RW	RICHWOOD SILT LOAM	5	0.28	56	1	130	.14	NHEL
MN0061	SC2	LESTER-STORDEN COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED ***	5	0.28	48	9	110	1.2	*PHEL
MN0063	SC2	LESTER-STORDEN COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED ***	5	0.28	86	--	--	--	--
MN0061	SD2	LESTER-STORDEN COMPLEX, 12 TO 18 PERCENT SLOPES, ERODED ***	5	0.28	48	15	100	2.4	HEL

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME	T	K	I	TYPICAL SLOPE PERCENT	TYPICAL SLOPE LENGTH	LS	HELC
MN0063	SD2	LESTER-STORDEN COMPLEX, 12 TO 18 PERCENT SLOPES, ERODED ***	5	0.28	86	--	--	--	--
IA0076	SV	SPILLVILLE LOAM, OCCASIONALLY FLOODED	5	0.24	48	1	100	.13	NHEL
IA0165	TB	TERRIL LOAM, 0 TO 6 PERCENT SLOPES	5	0.24	48	3	120	.30	NHEL
IA0165	TC	TERRIL LOAM, 6 TO 12 PERCENT SLOPES	5	0.24	48	9	110	1.1	**PHEL
MN0315	TT	TALCOT SILTY CLAY LOAM	4	0.28	86	.5	100	.10	NHEL
NE0520	US	PSAMMENTS	5	0.15	134	9	110	1.2	**PHEL
MN0038	WA	WADENA LOAM, 0 TO 2 PERCENT SLOPES	4	0.24	48	1	130	.14	NHEL
MN0038	WB	WADENA LOAM, 2 TO 6 PERCENT SLOPES	4	0.24	48	3	120	.30	NHEL
MN0038	WC2	WADENA LOAM, 6 TO 12 PERCENT SLOPES, ERODED	4	0.24	48	9	110	1.2	*PHEL
MN0280	XB	RASSET-LESTER COMPLEX, 2 TO 6 PERCENT SLOPES ***	4	0.20	86	--	--	--	--
MN0061	XB	RASSET-LESTER COMPLEX, 2 TO 6 PERCENT SLOPES ***	5	0.28	48	3	110	.30	NHEL
MN0280	XC	RASSET-LESTER COMPLEX, 6 TO 12 PERCENT SLOPES ***	4	0.20	86	--	--	--	--
MN0061	XC	RASSET-LESTER COMPLEX, 6 TO 12 PERCENT SLOPES ***	5	0.28	48	9	100	1.2	*PHEL
MN0280	XC2	RASSET-LESTER COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED ***	4	0.20	86	--	--	--	--
MN0061	XC2	RASSET-LESTER COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED ***	5	0.28	48	9	100	1.2	*PHEL
MN0280	XD	RASSET-LESTER COMPLEX, 12 TO 18 PERCENT SLOPES ***	4	0.20	86	--	--	--	--
MN0061	XD	RASSET-LESTER COMPLEX, 12 TO 18 PERCENT SLOPES ***	5	0.28	48	15	90	2.4	HEL
MN0280	XE	RASSET-LESTER COMPLEX, 18 TO 25 PERCENT SLOPES ***	4	0.20	86	--	--	--	--
MN0061	XE	RASSET-LESTER COMPLEX, 18 TO 25 PERCENT SLOPES ***	5	0.28	48	20	90	3.7	HEL
MN0280	YB	RASSET-LESTER-KILKENNY COMPLEX, 2 TO 6 PERCENT SLOPES ***	4	0.20	86	--	--	--	--
MN0061	YB	RASSET-LESTER-KILKENNY COMPLEX, 2 TO 6 PERCENT SLOPES ***	5	0.28	48	--	--	--	--
MN0376	YB	RASSET-LESTER-KILKENNY COMPLEX, 2 TO 6 PERCENT SLOPES ***	5	0.28	48	3	110	.30	NHEL
MN0280	YC	RASSET-LESTER-KILKENNY COMPLEX, 6 TO 12 PERCENT SLOPES ***	4	0.20	86	--	--	--	--
MN0061	YC	RASSET-LESTER-KILKENNY COMPLEX, 6 TO 12 PERCENT SLOPES ***	5	0.28	48	--	--	--	--
MN0376	YC	RASSET-LESTER-KILKENNY COMPLEX, 6 TO 12 PERCENT SLOPES ***	5	0.28	48	9	100	1.2	*PHEL
MN0280	YC2	RASSET-LESTER-KILKENNY COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED ***	4	0.20	86	--	--	--	--
MN0061	YC2	RASSET-LESTER-KILKENNY COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED ***	5	0.28	48	--	--	--	--
MN0376	YC2	RASSET-LESTER-KILKENNY COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED ***	5	0.28	48	9	100	1.2	*PHEL
MN0280	YD	RASSET-LESTER-KILKENNY COMPLEX, 12 TO 18 PERCENT SLOPES ***	4	0.20	86	--	--	--	--
MN0061	YD	RASSET-LESTER-KILKENNY COMPLEX, 12 TO 18 PERCENT SLOPES ***	5	0.28	48	--	--	--	--
MN0376	YD	RASSET-LESTER-KILKENNY COMPLEX, 12 TO 18 PERCENT SLOPES ***	5	0.28	48	15	90	2.4	HEL
MN0280	YE	RASSET-LESTER-KILKENNY COMPLEX, 18 TO 25 PERCENT SLOPES ***	4	0.20	86	--	--	--	--
MN0061	YE	RASSET-LESTER-KILKENNY COMPLEX, 18 TO 25 PERCENT SLOPES ***	5	0.28	48	--	--	--	--
MN0376	YE	RASSET-LESTER-KILKENNY COMPLEX, 18 TO 25 PERCENT SLOPES ***	5	0.28	48	20	90	3.7	HEL

HIGHLY ERODIBLE LAND CLASSIFICATION

NHEL = NOT HIGHLY ERODIBLE LAND

PHEL = POTENTIALLY HIGHLY ERODIBLE LAND AND REQUIRES A FIELD VISIT TO DETERMINE A REPRESENTATIVE SLOPE PERCENT AND LENGTH FOR FSA PURPOSES.

HEL = HIGHLY ERODIBLE LAND

* THESE PHEL MAP UNITS ARE CONSIDERED HEL BASED ON TYPICAL SLOPE PERCENTAGE AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

** THESE PHEL MAP UNITS ARE CONSIDERED NHEL BASED ON TYPICAL SLOPE PERCENTAGES AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

*** USE THE MOST LIMITING SOIL IN THE COMPLEX TO DETERMINE THE RATING. ONLY ONE RATING IS GIVEN FOR A COMPLEX.

HELC FOR WIND EROSION IS BASED ON THE C X I DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.

HELC FOR WATER EROSION IS BASED ON THE R X K X LS DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.